

Amendments to the Claims

This listing of claims will replace all prior version and listings of claims in the application:

Listing of Claims:

- 1-20. (Cancelled).
21. (New): A saccharide-conjugated nanoparticle comprising:
 - (a) a core gold nanoparticle, comprising gold atoms, without Fe atoms and having no magnetic property; and
 - (b) a plurality of saccharide molecules attached to the core gold nanoparticle, wherein each of the saccharide molecules has a specific binding affinity to a target protein.
22. (New): The saccharide-conjugated nanoparticle of claim 21, wherein the target protein is expressed by an infectious agent selected from a group consisting of bacteria, viruses, mycoplasma and fungi.
23. (New): The saccharide-conjugated nanoparticle of claim 22, wherein the infectious agent is present in a host organism.
24. (New): The saccharide-conjugated nanoparticle of claim 21, wherein the target protein is a mannose-specific binding protein.
25. (New): The saccharide-conjugated nanoparticle of claim 24, wherein the mannose-specific binding protein is FimH protein.
26. (New): The saccharide-conjugated nanoparticle of claim 21, wherein the target protein is Shiga-like toxin.

27. (New): The saccharide-conjugated nanoparticle of claim 21, wherein the target protein is lectin.
28. (New): The saccharide-conjugated nanoparticle of claim 27, wherein the lectin is Concannvalin A.
29. (New): The saccharide-conjugated nanoparticle of claim 21, wherein the saccharide is a monosaccharide.
30. (New): The saccharide-conjugated nanoparticle of claim 29, wherein the monosaccharide is mannose.
31. (New): The saccharide-conjugated nanoparticle of claim 21, wherein the saccharide is an oligosaccharide.
32. (New): The saccharide-conjugated nanoparticle of claim 31, wherein the oligosaccharide is Pk antigen.
33. (New): The saccharide-conjugated nanoparticle of claim 21, wherein the saccharide is a polysaccharide.
34. (New): The saccharide-conjugated nanoparticle of claim 21, wherein the saccharide is selected from mannose, galactose and glucose.
35. (New): A saccharide-conjugated nanoparticle comprising:
 - (a) a core gold nanoparticle, comprising gold atoms, without Fe atoms and having no magnetic property; and
 - (b) a plurality of saccharide molecules attached to the core gold nanoparticle, wherein each of the saccharide molecules has a specific binding affinity to a target protein of an infectious agent.

36. (New): The saccharide-conjugated nanoparticle of claim 35, wherein the target protein is Shiga-like toxin.
37. (New): The saccharide-conjugated nanoparticle of claim 35, wherein the target protein is a mannose-specific binding protein.
38. (New): The saccharide-conjugated nanoparticle of claim 35, wherein the infectious agent is present in a host organism.
39. (New): A saccharide-conjugated nanoparticle comprising:
- (a) a core gold nanoparticle, comprising gold atoms, without Fe atoms and having no magnetic property; and
 - (b) a plurality of saccharide molecules attached to the core gold nanoparticle, wherein each of the saccharide molecules has a specific binding affinity to lectin.
40. (New): The saccharide-conjugated nanoparticle of claim 38, wherein the lectin is Concannvalin A.